

# NU318E.M3

Cylindrical Roller Bearings (single row, with cage)



## Details:

### Main dimensions

d [mm]	90	$D_1$ [mm]	$\approx 158.3$
D [mm]	190	$r_{1,2}$ [mm]	3
B [mm]	43	$r_{3,4}$ [mm]	3
Weight [kg]	$\approx 6.06$	s [mm]	3.9
F [mm]	113.5		



### Mating dimensions

$d_{a, \min}$ [mm]	104
$d_{a, \max}$ [mm]	111
$d_{b, \min}$ [mm]	117
$D_{a, \max}$ [mm]	176
$r_{a, \max}$ [mm]	2.5
$r_{b, \max}$ [mm]	2.5

### Calculation data

C [kN]	321
$C_0$ [kN]	360
$C_u$ [kN]	44.4
$n_{th}$ [ $\text{min}^{-1}$ ]	3686
$n_g$ [ $\text{min}^{-1}$ ]	5100